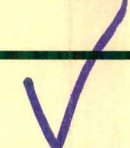




Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

006727



646.4001

Job Sheet 185752



5

Part No: 646.4001

Job Qty: 1 ea

Part Name: AS350 Cable Cutter System



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/1/18

Job Tracking No:

Due Date: 12/14/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV C1 IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM IPP REV:B 15.01.08 AS PER DWG REV.B
DD VERF:JLM IPP REV:C 16.01.07 AS PER DWG REV.C DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	12/14/18	12/14/18	0.00	0.00	Start Up Stores/Pkg-1		NOV 28 2018
110	Packaging	1 pcs	12/14/18	12/14/18	0.00	0.00	Packaging1-1		DEC 21 2018
120	QC	1 pcs	12/14/18	12/14/18	0.00	0.00	QC4		DEC 22 2018
130	Packaging	1 pcs	12/14/18	12/14/18	0.00	0.00	Packaging3-1		DEC 22 2018
135	DC	1 pcs	12/14/18	12/14/18	0.00	0.00	DC		DEC 27 2018
140	QC21-FG	1 Ea	12/14/18	12/14/18	0.00	0.00	QC21		DEC 27 2018

Part Op 130 - Identify and pack for shipping as per PPP 646.4001 Location: _____
Descriptions: 135 - Photocopy bluefile & type labels per PPP 646.4001

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
600.0129	VHB Tape	8 ft (8 ea)	90-Start up Operation	5019004
600.0990	Magnabond 6398 Part A Size 112 ml	1 Ea (1 ea)	90-Start up Operation	5136925
600.0991	Magnabond 6398 Part B Size 112 ml	1 Ea (1 ea)	90-Start up Operation	5136931
600.1012	Sealant PR1425B2 (#654 sem)	1 pcs (1 ea)	90-Start up Operation	5130299
600.1013	021200-3M Tape Primer 94 Primer 24216	5 Ea (5 ea)	90-Start up Operation	5119441
646.2910	Deflector	1 Ea (1 ea)	90-Start up Operation	5093821
646.3001	Lower Cable Cutter Assembly	1 Ea (1 ea)	90-Start up Operation	5125414
646.3110	Channel	1 Ea (1 ea)	90-Start up Operation	5136495
646.3210	Support	1 Ea (1 ea)	90-Start up Operation	5091495
646.3301	Upper Cutter Assembly	1 Ea (1 ea)	90-Start up Operation	5133408
646.3510	Strut	1 Ea (1 ea)	90-Start up Operation	5081641
646.3511	Strut	1 Ea (1 ea)	90-Start up Operation	5063686
646.3610	Filler	1 Ea (1 ea)	90-Start up Operation	5072241
646.3710	Doubler	1 Ea (1 ea)	90-Start up Operation	5049669
646.3711	Clip	1 Ea (1 ea)	90-Start up Operation	5063766
646.3712	Clip	1 Ea (1 ea)	90-Start up Operation	5038797
646.3713	Gusset	1 Ea (1 ea)	90-Start up Operation	5042029
646.3714	Gusset	1 Ea (1 ea)	90-Start up Operation	5038824
646.3715	Strut Doubler	2 Ea (2 ea)	90-Start up Operation	5082442
646.3716	Gauge Bracket	1 Ea (1 ea)	90-Start up Operation	5063780
646.3717	Doubler	1 Ea (1 ea)	90-Start up Operation	5038801
646.3718	Custom Washer	2 Ea (2 ea)	90-Start up Operation	5064802

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION		AGAINST DEPARTMENT/PROCESS			
	Rework ☐	Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	
	Scrap ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	
	Use-as-is ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	
	Suspected Unapproved ☐	Large Fab ☐	Composite ☐	Supplier ☐		

Date :	Step #:	QTY Effective :	MRB (QSI042) Approval
--------	---------	-----------------	-----------------------

Description Work Order Deviation	Disposition
---	--------------------

		Completed By
		_____ / Supervisor _____ Verification _____ Coordinator _____ roval

Root Cause		FAULT CATEGORY	
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐
Past Expiry Date ☐	Manufacturing Process ☐		
Misidentified ☐	Past Due ☐	OTHER :	

Container No: S137043
 Part: 646.4001
 Job No: 185752
 Serial No/Batch: S137043
 Revision:
 Inspector:
 Exp Date: 05/11/2019
 Instructions: FAA STC SH02180LA 14/08/07/TA/STC SH09 -

DART AEROSPACE
 1270 Aberdeen Street
 Hawkebury, ON M6A 1K7
 CANADA
 TEL: 905.883.632 - 5200
 Email: sales@dartaero.com
 www.dartaerospace.com

Drawing
 Finish
 Misread
 Turning Sequence

JOB 185752

606727

8

646.3719	Doubler	2 Ea (2 ea)	90-Start up Operation	5063754
646.3810	Bracket	2 Ea (2 ea)	90-Start up Operation	5131074
646.3811	Radius Block	1 Ea (1 ea)	90-Start up Operation	5070843
646.3812	Gusset Bracket	2 Ea (2 ea)	90-Start up Operation	5131076
646.3813	AS350 Strut Bracket	1 Ea (1 ea)	90-Start up Operation	5073258
646.3910	Shim	4 Ea (4 ea)	90-Start up Operation	5124327
646.3911	Shim	1 Ea (1 ea)	90-Start up Operation	5041250
646.3912	Shim	4 Ea (4 ea)	90-Start up Operation	5128109
646.3913	Shim	1 Ea (1 ea)	90-Start up Operation	5041498
646.9410	Shim	1 Ea (1 ea)	90-Start up Operation	5056998
647.0112	Strut Bracket	2 Ea (2 ea)	90-Start up Operation	5097197
647.7703	Strut Assembly	2 Ea (2 ea)	90-Start up Operation	5128424
650.9201	Eyelet Bracket Assembly	2 Ea (2 ea)	90-Start up Operation	5122789
AN3-11A	Bolt	10 Ea (10 ea)	90-Start up Operation	5130322
AN3-12A	Bolt	2 Ea (2 ea)	90-Start up Operation	5095479
AN3-13A	Bolt	1 Ea (1 ea)	90-Start up Operation	5098038
AN3-3A	Bolt	4 Ea (4 ea)	90-Start up Operation	5131193
AN3-4A	Bolt	10 Ea (10 ea)	90-Start up Operation	5112901
AN3-5A	Bolt	2 Ea (2 ea)	90-Start up Operation	5119258
AN3-6A	Bolt	2 Ea (2 ea)	90-Start up Operation	5103950
AN316C4R	Nut, Jam	2 Ea (2 ea)	90-Start up Operation	5080637
AN44-5A	Eyebolt	2 Ea (2 ea)	90-Start up Operation	5127832
AN4C7A	Bolt	2 Ea (2 ea)	90-Start up Operation	5095478
AN665-34R	Clevis	2 Ea (2 ea)	90-Start up Operation	5131214
CCR264SS3-02	Cherry Rivet	36 Ea (36 ea)	90-Start up Operation	5103962
CR3213-5-3	Cherry Rivet	14 Ea (14 ea)	90-Start up Operation	5108575
MS20426AD5-7	Rivet	2 Ea (2 ea)	90-Start up Operation	5153848
MS20470AD5-5.5	Rivet	8 Ea (8 ea)	90-Start up Operation	51134063
MS20470AD5-6	Rivet	8 Ea (8 ea)	90-Start up Operation	5124089
MS20470AD5-7	Rivet	3 Ea (3 ea)	90-Start up Operation	5123425
MS21042L08	Nut	2 Ea (2 ea)	90-Start up Operation	5100409
MS21042L3	Nut	63 Ea (63 ea)	90-Start up Operation	5094592
MS21042L4	Nut	2 Ea (2 ea)	90-Start up Operation	5109736
MS21047-3	Nut Plate	18 Ea (18 ea)	90-Start up Operation	5103943
MS24693-C278	Screw	5 Ea (5 ea)	90-Start up Operation	5065341
MS24694-S51	Screw	5 Ea (5 ea)	90-Start up Operation	5064859
MS24694-S54	Screw	2 Ea (2 ea)	90-Start up Operation	5118346
MS24694-S55	Screw	3 Ea (3 ea)	90-Start up Operation	5099526
MS27039-08-13	Screw	2 Ea (2 ea)	90-Start up Operation	5016508
MS27039-1-10	Screw	2 Ea (2 ea)	90-Start up Operation	5071834
MS27039-1-12	Screw	6 Ea (6 ea)	90-Start up Operation	5124664X1
MS27039-1-16	Screw	24 Ea (24 ea)	90-Start up Operation	5104364
MS27039-1-19	Screw	22 Ea (22 ea)	90-Start up Operation	5131198
MS27039-1-20	Screw	2 Ea (2 ea)	90-Start up Operation	5094554
MS27039-1-21	Screw	4 Ea (4 ea)	90-Start up Operation	5104011
NAS1149F0332P	Washer	144 Ea (144 ea)	90-Start up Operation	5131201
NAS1149F0363P	Washer	2 Ea (2 ea)	90-Start up Operation	5075330
NAS1149F0432P	Washer	4 Ea (4 ea)	90-Start up Operation	5123456
NAS1149FN832P	Washer	4 Ea (4 ea)	90-Start up Operation	5107796

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	600.0129	8	264	0
	600.0990	1	15	0
	600.0991	1	13	0
	600.1012	1	26	0
	600.1013	5	74	0
	646.2910	1	25	0
	646.3001	1	8	0
	646.3110	1	12	0
	646.3210	1	14	0
	646.3301	1	12	0
	646.3510	1	17	0

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table> <tr> <td>Skid-tube</td><td>☐</td> <td>Cross tube</td><td>☐</td> <td>Water Jet</td><td>☐</td> <td>Engineering</td><td>☐</td> </tr> <tr> <td>Machining</td><td>☐</td> <td>Small Fab</td><td>☐</td> <td>Prod. Eng. Coord.</td><td>☐</td> <td>Quality</td><td>☐</td> </tr> <tr> <td>Thermoforming</td><td>☐</td> <td>Finishing</td><td>☐</td> <td>Rec/Store/Packaging</td><td>☐</td> <td>Other</td><td>☐</td> </tr> <tr> <td>Large Fab</td><td>☐</td> <td>Composite</td><td>☐</td> <td>Supplier</td><td>☐</td> <td></td><td></td> </tr> </table>						Skid-tube	☐	Cross tube	☐	Water Jet	☐	Engineering	☐	Machining	☐	Small Fab	☐	Prod. Eng. Coord.	☐	Quality	☐	Thermoforming	☐	Finishing	☐	Rec/Store/Packaging	☐	Other	☐	Large Fab	☐	Composite	☐	Supplier	☐		
	Skid-tube	☐	Cross tube	☐	Water Jet	☐	Engineering	☐																																
	Machining	☐	Small Fab	☐	Prod. Eng. Coord.	☐	Quality	☐																																
	Thermoforming	☐	Finishing	☐	Rec/Store/Packaging	☐	Other	☐																																
Large Fab	☐	Composite	☐	Supplier	☐																																			

Date :	Step #:	QTY Effective :	MRB (QSI042) Approval
--------	---------	-----------------	-----------------------

Description Work Order Deviation 	Disposition 	Completed By
		Lead hand / Supervisor Approval Verification
		QC / QA Coordinator Approval

Root Cause				FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		
OTHER : _____							

646.3511	1	22	0
646.3610	1	22	0
646.3710	1	48	0
646.3711	1	32	0
646.3712	1	20	0
646.3713	1	15	0
646.3714	1	21	0
646.3715	2	29	0
646.3716	1	38	0
646.3717	1	24	0
646.3718	2	40	0
646.3719	2	32	0
646.3810	2	19	0
646.3811	1	29	0
646.3812	2	14	0
646.3813	1	11	0
646.3910	4	35	0
646.3911	1	21	0
646.3912	4	32	0
646.3913	1	37	0
646.9410	1	99	0
647.0112	2	84	0
647.7703	2	16	0
650.9201	2	33	0
AN3-11A	10	155	0
AN3-12A	2	92	0
AN3-13A	1	97	0
AN3-3A	4	206	0
AN3-4A	10	366	0
AN3-5A	2	322	0
AN3-6A	2	196	0
AN316C4R	2	35	0
AN44-5A	2	29	0
AN4C7A	2	141	0
AN665-34R	2	27	0
CCR264SS3-02	36	599	0
CR3213-5-3	14	260	0
MS20426AD5-7	2	1,014	0
MS20470AD5-5.5	8	234	0
MS20470AD5-6	8	1,017	0
MS20470AD5-7	3	140	0
MS21042L08	2	1,956	0
MS21042L3	63	2,260	0
MS21042L4	2	3,367	0
MS21047-3	18	472	0
MS24693-C278	5	144	0
MS24694-S51	5	300	0
MS24694-S54	2	408	0
MS24694-S55	3	101	0
MS27039-08-13	2	80	0
MS27039-1-10	2	137	0
MS27039-1-12	6	85	0
MS27039-1-16	24	597	0
MS27039-1-19	22	351	0
MS27039-1-20	2	105	0
MS27039-1-21	4	114	0
NAS1149F0332P	144	2,061	0
NAS1149F0363P	2	562	0
NAS1149F0432P	4	1,422	0
NAS1149FN832P	4	2,779	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																																																																	
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																																																																	
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																																																																	
Large Fab ☐	Composite ☐	Supplier ☐																																																																		
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval																																																																
Description Work Order Deviation		Disposition		Completed By																																																																
				Lead hand / Supervisor Approval Verification																																																																
				QC / QA Coordinator Approval																																																																
Root Cause <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Environment ☐</td> <td style="border: none;">No Re-verification ☐</td> </tr> <tr> <td style="border: none;">Design ☐</td> <td style="border: none;">Operator ☐</td> </tr> <tr> <td style="border: none;">Doc/Data ☐</td> <td style="border: none;">Offset/Setup ☐</td> </tr> <tr> <td style="border: none;">Equip/Tooling ☐</td> <td style="border: none;">Supplier ☐</td> </tr> <tr> <td style="border: none;">Handling/Pre ☐</td> <td style="border: none;">Training ☐</td> </tr> <tr> <td style="border: none;">Material ☐</td> <td style="border: none;">Use for Testing ☐</td> </tr> <tr> <td style="border: none;">Internal Transport ☐</td> <td style="border: none;">Poor Information ☐</td> </tr> <tr> <td style="border: none;">Tribal Knowledge ☐</td> <td style="border: none;">Rushing ☐</td> </tr> <tr> <td style="border: none;">LOA ☐</td> <td style="border: none;">Product Improvement ☐</td> </tr> <tr> <td style="border: none;">Substation ☐</td> <td style="border: none;">Process Improvement ☐</td> </tr> <tr> <td style="border: none;">Past Expiry Date ☐</td> <td style="border: none;">Manufacturing Process ☐</td> </tr> <tr> <td style="border: none;">Misidentified ☐</td> <td style="border: none;">Past Due ☐</td> </tr> </table>		Environment ☐	No Re-verification ☐	Design ☐	Operator ☐	Doc/Data ☐	Offset/Setup ☐	Equip/Tooling ☐	Supplier ☐	Handling/Pre ☐	Training ☐	Material ☐	Use for Testing ☐	Internal Transport ☐	Poor Information ☐	Tribal Knowledge ☐	Rushing ☐	LOA ☐	Product Improvement ☐	Substation ☐	Process Improvement ☐	Past Expiry Date ☐	Manufacturing Process ☐	Misidentified ☐	Past Due ☐	FAULT CATEGORY <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Pressure/Forced ☐</td> <td style="border: none;">Temperature/Cure ☐</td> <td style="border: none;">Power Loss/Surge ☐</td> <td style="border: none;">Positioned Wrong ☐</td> </tr> <tr> <td style="border: none;">Bending ☐</td> <td style="border: none;">Set-up ☐</td> <td style="border: none;">Folio/Program ☐</td> <td style="border: none;">Outside Dimensions ☐</td> </tr> <tr> <td style="border: none;">Centre Not Concentric ☐</td> <td style="border: none;">BOM/Route ☐</td> <td style="border: none;">Grain ☐</td> <td style="border: none;">Over/Under tolerance ☐</td> </tr> <tr> <td style="border: none;">Cracks ☐</td> <td style="border: none;">Broken/Damage/Defect ☐</td> <td style="border: none;">Weld ☐</td> <td style="border: none;">Part Incorrect ☐</td> </tr> <tr> <td style="border: none;">Crimp/Kink/Ripple/Wave ☐</td> <td style="border: none;">Inspection Incomplete/Unqualified ☐</td> <td style="border: none;">Wrong Stock Pulled ☐</td> <td style="border: none;">Part Lost/Missing ☐</td> </tr> <tr> <td style="border: none;">Cuffs ☐</td> <td style="border: none;">Contamination ☐</td> <td style="border: none;">Out of Sequence ☐</td> <td style="border: none;">Part Moved ☐</td> </tr> <tr> <td style="border: none;">Crushing ☐</td> <td style="border: none;">Countersink ☐</td> <td style="border: none;">Off-set ☐</td> <td style="border: none;">Drawing ☐</td> </tr> <tr> <td style="border: none;">Heat Treat ☐</td> <td style="border: none;">Cut Too Short ☐</td> <td style="border: none;">Mislabeled ☐</td> <td style="border: none;">Finish ☐</td> </tr> <tr> <td style="border: none;">Wave/Twist in Tube ☐</td> <td style="border: none;">Instructions Incomplete/Unclear ☐</td> <td style="border: none;">Fit/Function ☐</td> <td style="border: none;">Misread ☐</td> </tr> <tr> <td style="border: none;">Marks/Chatter ☐</td> <td style="border: none;">Drill Holes ☐</td> <td style="border: none;">Misaligned/off center ☐</td> <td style="border: none;">Turning Sequence ☐</td> </tr> </table>			Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Environment ☐	No Re-verification ☐																																																																			
Design ☐	Operator ☐																																																																			
Doc/Data ☐	Offset/Setup ☐																																																																			
Equip/Tooling ☐	Supplier ☐																																																																			
Handling/Pre ☐	Training ☐																																																																			
Material ☐	Use for Testing ☐																																																																			
Internal Transport ☐	Poor Information ☐																																																																			
Tribal Knowledge ☐	Rushing ☐																																																																			
LOA ☐	Product Improvement ☐																																																																			
Substation ☐	Process Improvement ☐																																																																			
Past Expiry Date ☐	Manufacturing Process ☐																																																																			
Misidentified ☐	Past Due ☐																																																																			
Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐																																																																	
Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐																																																																	
Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐																																																																	
Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐																																																																	
Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐																																																																	
Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐																																																																	
Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐																																																																	
Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐																																																																	
Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐																																																																	
Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																																																																	
OTHER : _____																																																																				

NOTES:

- 3

REFERENCE ONLY

UNINCORPORATED ECN(s)

0.5304

5	5	5	5	78	601.3875	SCREW	MINISCULE
1	1	1	1	77	646.9410	SHIM	△
		4	4	76	601.2764	WASHER	NAS1149P18B
		2	2	75	601.2973	LOCKNUT	MS21042-08
		2	2	74	601.2988	SCREW	MS27039-0813
		2	2	73	601.2943	LOCKNUT	MS21042-3
		2	2	72	601.3128	NUT	AN316CA
		2	2	71	601.3209	LOCKNUT	MS21042L4
		4	4	70	601.2638	WASHER	NAS1149P0430P
		2	2	69	601.2669	BOLT	AN4CA
		2	2	68	601.3119	CLEVIS	AN665-349
		2	2	67	601.3121	EYE BOLT	AN44-5A
		2	2	66	650.9201	EYE BRACKET ASSY	
	REF	REF	REF	65	647.5701	GPS MOUNT KIT	△
			2	64	601.3151	WASHER	NAS1149P0365P
		2		63	601.2911	SCREW	MS2469455
		24	24	62	601.2637	SCREW	MS27039-1-16
2	2	2	2	61	601.2763	BOLT	AN3-12A
		1		60	646.3913	SHIM	
		4		59	646.3912	SHIM	
		1		58	646.3911	SHIM	
		4		57	646.3910	SHIM	
		5		56	600.1013	PRIMER	
	8 FT		8 FT	55	600.0129	VHB TAPE	
		1	1	54	600.1012	SEALANT	PR-3428 CLASS B
		1	1	53	600.0991	MAGNABOND 6398 PART B	△
		1	1	52	600.0990	MAGNABOND 6398 PART A	
6	10		10	51	601.2826	BOLT	AN3-11A
		2		50	646.3814	WIPER BRACKET	
		2		49	601.2910	SCREW	MS27039-1-18
	2		2	48	601.1365	SCREW	MS27039-1-10
	2		2	47	646.3719	DOUBLER	
	2		2	46	646.3718	CUSTOM WASHER	
	1		1	45	646.3717	DOUBLER	
		22	22	44	601.1948	SCREW	MS27039-1-19
		2	2	43	601.1952	SCREW	MS27039-1-20
		4	4	42	601.1956	SCREW	MS27039-1-21
AC04	AC05	AC06	AC03	AC02	AC01	FIND #	PART #
							DESCRIPTION
							MATL
							SPEC.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECH 02/19/9, 02351, 02719 & 02765	02/06/2010	P. BRAVO
B	INCORPORATED ECH 03046, 03079 & 04731	11/04/2014	P. BRAVO
C	INCORPORATED ECH 05098	09/09/2015	P. BRAVO

						2	41	601.2829	SCREW	MS24694554
						2	40	601.2831	RIVET	MS20426ADS-7
						1	39	646.3716	GAUGE BRACKET	
						6	38	601.1953	SCREW	MS2703P-1-12
		2				2	37	646.3715	STRUT DOUBLER	
	2		2			2	36	601.2824	BOLT	AN3-5A
12		36				36	35	601.2277	RIVET	CCR0465-3-09
6						18	34	600.0795	NUTPLATE	MS21047-3
3		3				3	33	601.2565	RIVET	MS2047RAD5-7
1		1				1	32	646.3813	STRUT BRACKET	
4		4				4	31	601.2822	BOLT	AN3-3A
2		2				2	30	646.3812	GUSSET BRACKET	
8		8				8	29	601.2564	RIVET	MS2047CADS-6
1		1				1	28	646.3714	GUSSET	
						1	27	646.3610	FILLER	
						3	26	601.2830	SCREW	MS24694550
						2	25	601.2825	BOLT	AN3-6A
						1	24	646.3811	RADIUS BLOCK	
						1	23	646.3712	CLIP	
						1	22	646.3711	CLIP	
						8	21	601.2832	RIVET	MS2047RAD5-6A
14		14				14	20	601.2020	RIVET	CR3213-5-3
4		6	4	6		10	19	601.2823	BOLT	AN3-4A
						1	18	601.2827	BOLT	AN3-13A
		5		5		5	17	601.2912	SCREW	MS24694531
						1	16	646.3713	GUSSET	
						1	15	646.3210	SUPPORT	
						1	14	646.3710	DOUBLER	
						1	13	646.3110	CHANNEL	
14		10	8	53	6	61	12	601.1624	LOCKNUT	MS210421-3
16		32	18	120	16	144	11	601.1607	WASHER	NA5114P032P
							10	646.3410	LH WIPER DEFLECTOR	
							9	646.3411	RH WIPER DEFLECTOR	
						2	8	647.7703	STRUT ASSY	
						2	7	647.0112	STRUT BRACKET	
						1	6	646.3511	STRUT	
						1	5	646.3510	STRUT	
2			2			2	4	646.3810	BRACKET	
						1	3	646.2910	DEFLECTOR	
						1	2	646.3001	LOWER CUTTER ASSY	
						1	1	646.3301	UPPER CUTTER ASSY	
X								646.4006	LOWER CUTTER FIXED PROVISIONS	
								646.4005	LOWER CUTTER REMOVABLE PROVISIONS	
								646.4004	FIXED PROVISIONS KIT	
								646.4003	CABLE CUTTERS KIT WITHOUT FIXED PROVISIONS	
								646.4002	ASS350 WIPER DEFLECTOR KIT	
								646.4001	ASS350 CABLE CUTTERS KIT	
4004	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

QTY		PARTS LIST	
NEXT ASSY (S)		 SUITE A 9374, CA. 92081 (760)-724-5300 AFICAL INDUSTRIES, INC. DBS DART AEROSPACE	
ORIGINAL DATE 08-27-08 INFO DA-1791 08-27-08 DRAWER B S. HURF P. BRAVO DRAWING APPROVAL BRAVO 08-27-08 CONFIRM NO.		5350 ENTERPRISE CT. SUITE A 9374, CA. 92081 (760)-724-5300 AFICAL INDUSTRIES, INC. DBS DART AEROSPACE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1/16" DECIMALS ±.010 3/16" DECIMALS ±.005 ANGLES		CAGE CODE CUTTERS KIT SEE A636000 DWG. NO. 646.4000 REV C SCALE: NONE 1 SHEET 1 OF 5	

RECEIVED OCT 1

RECEIVED OCT 1